

Interconnect Fabric Module

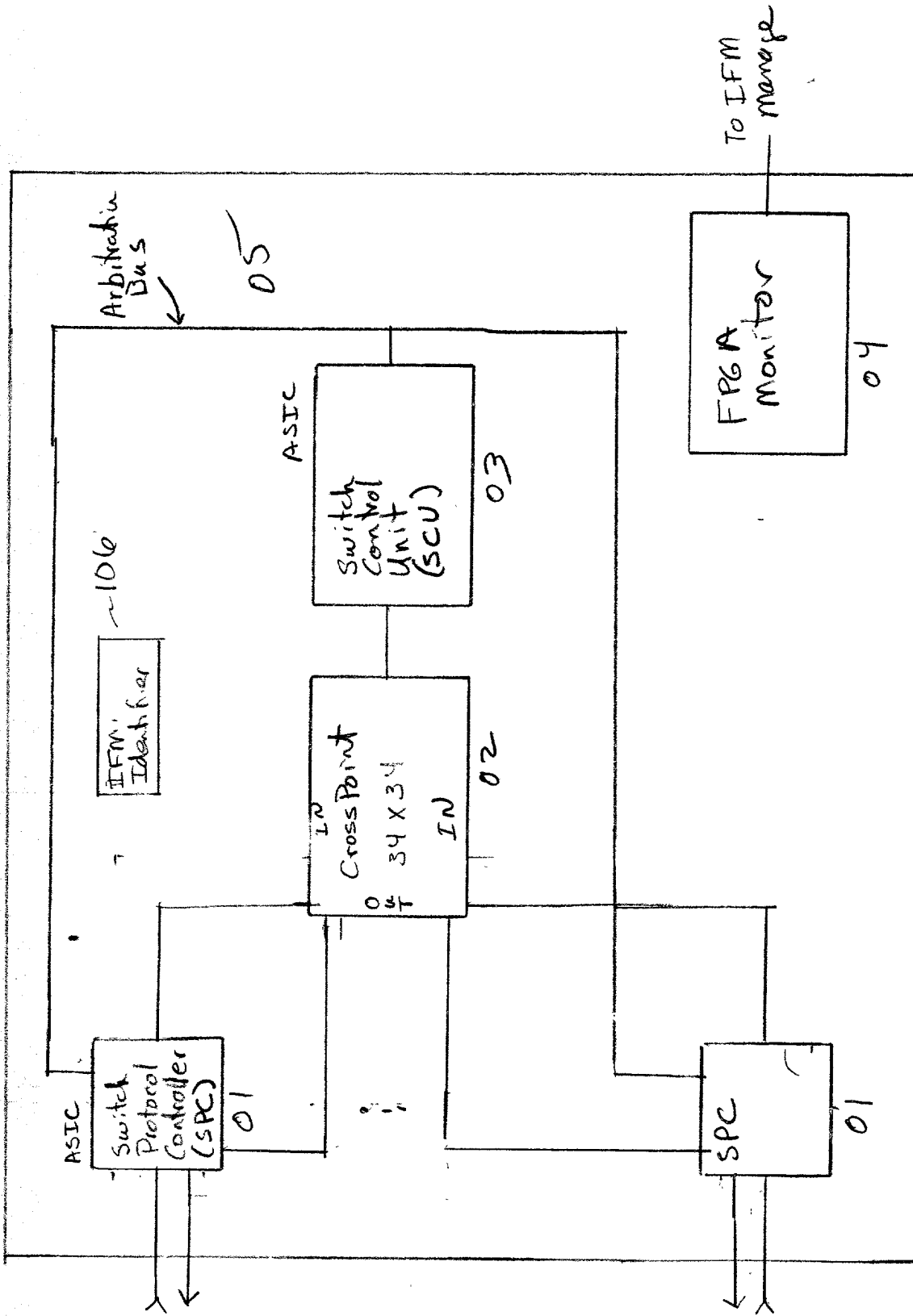


Fig 1

Switch Protocol Controller (SPC)

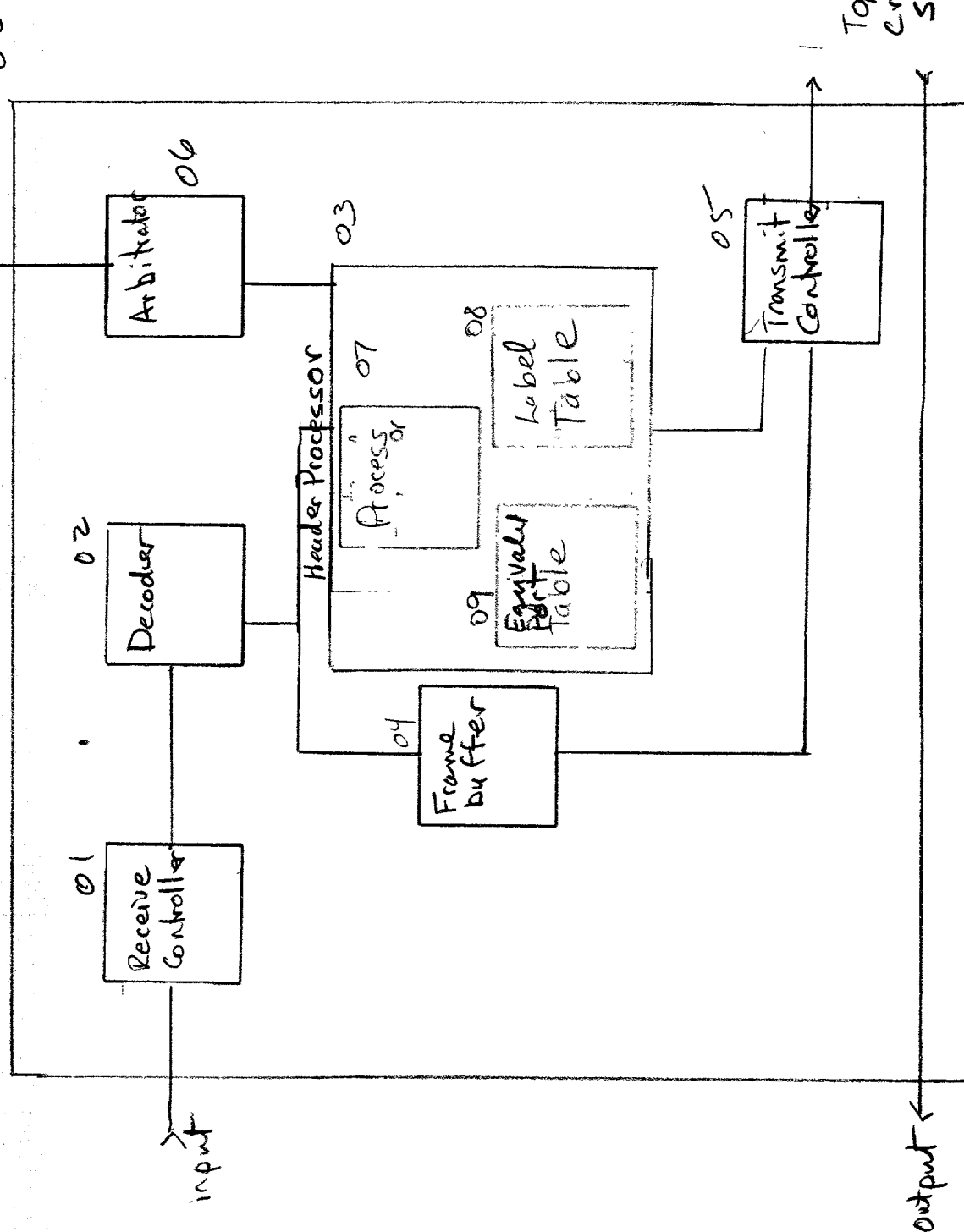
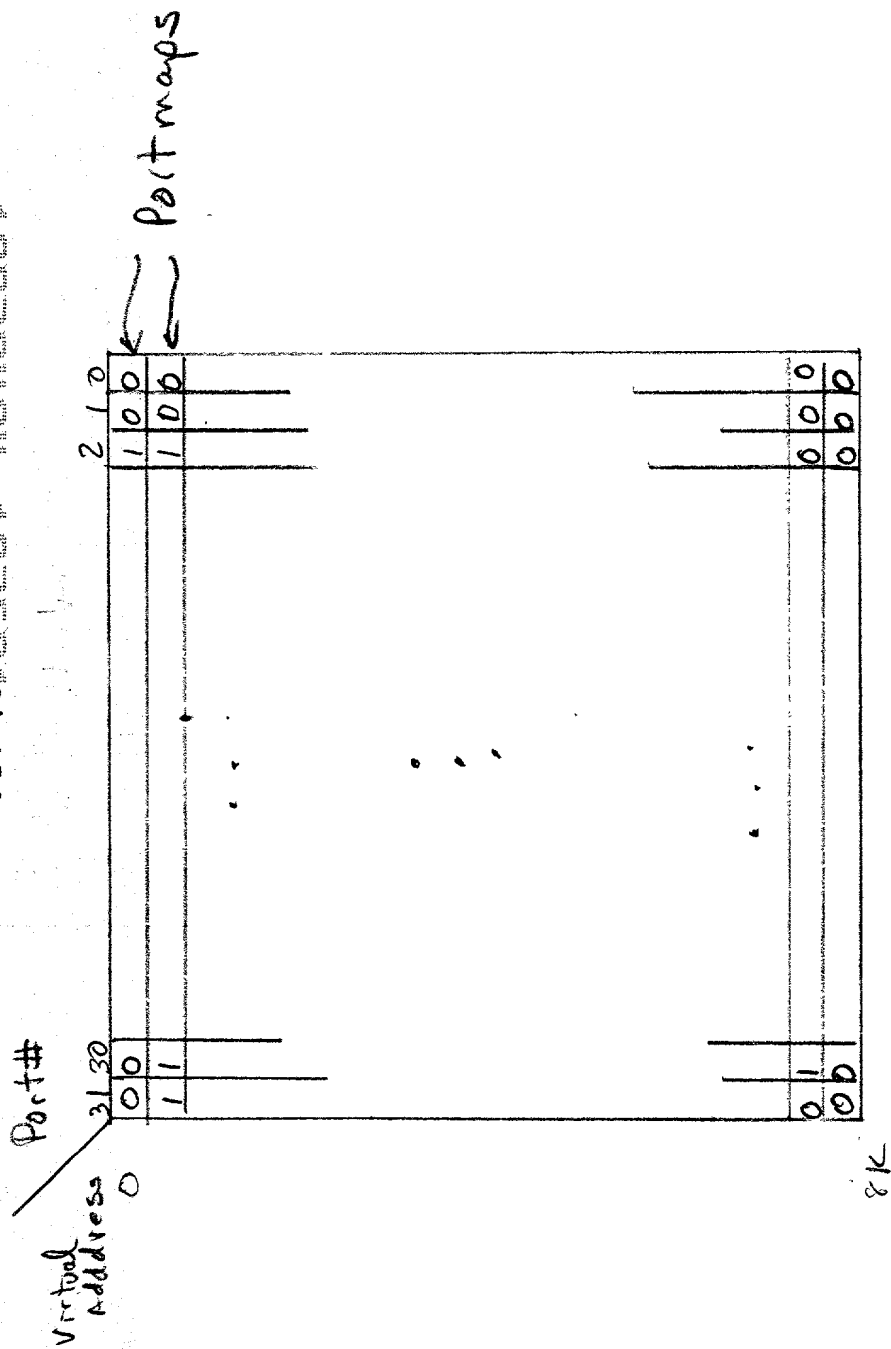


Fig 2

Label Table



M
∞
L

Frame

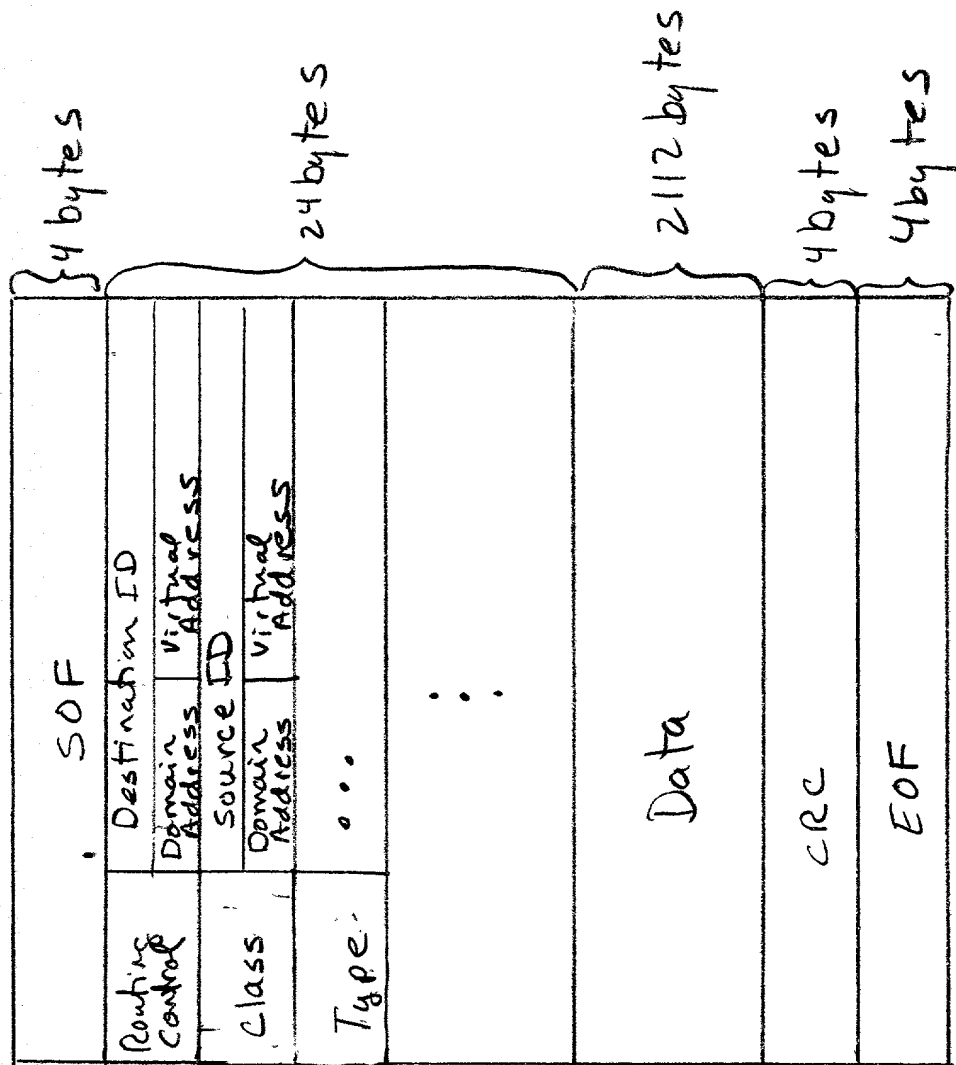


Fig 4

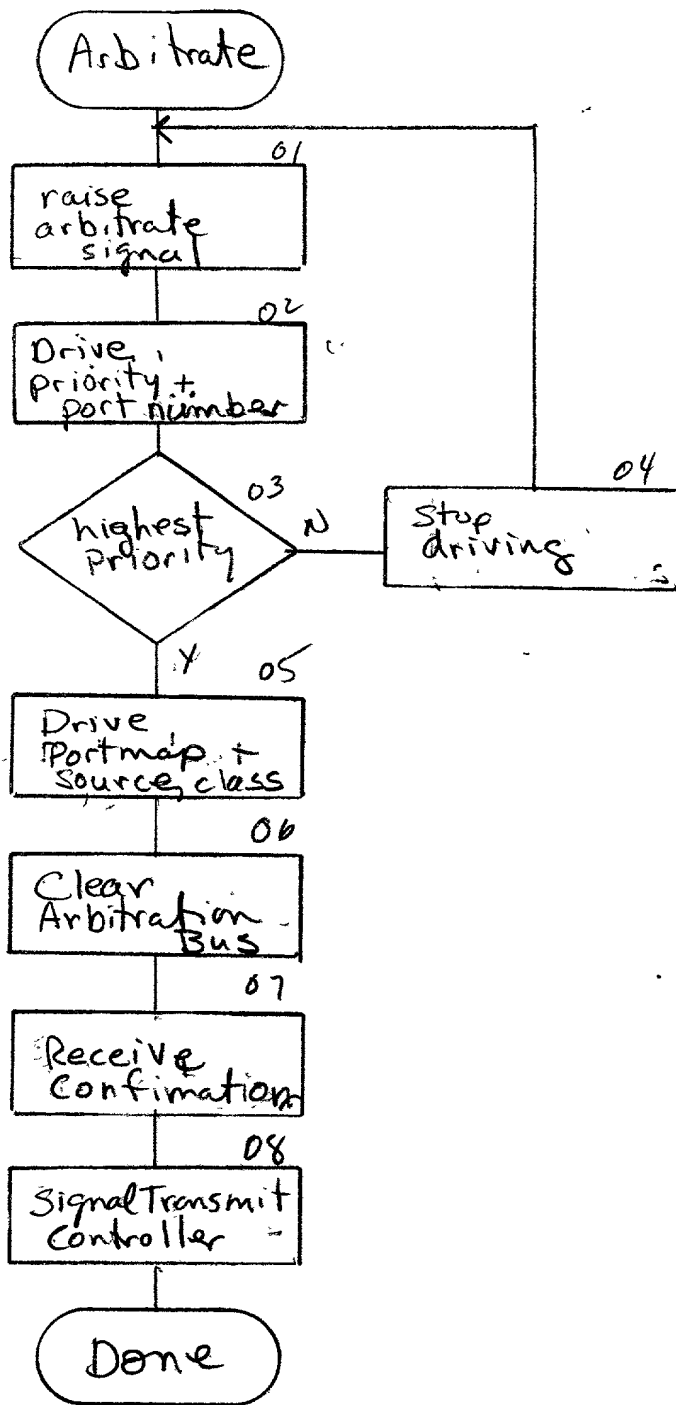


Fig 5

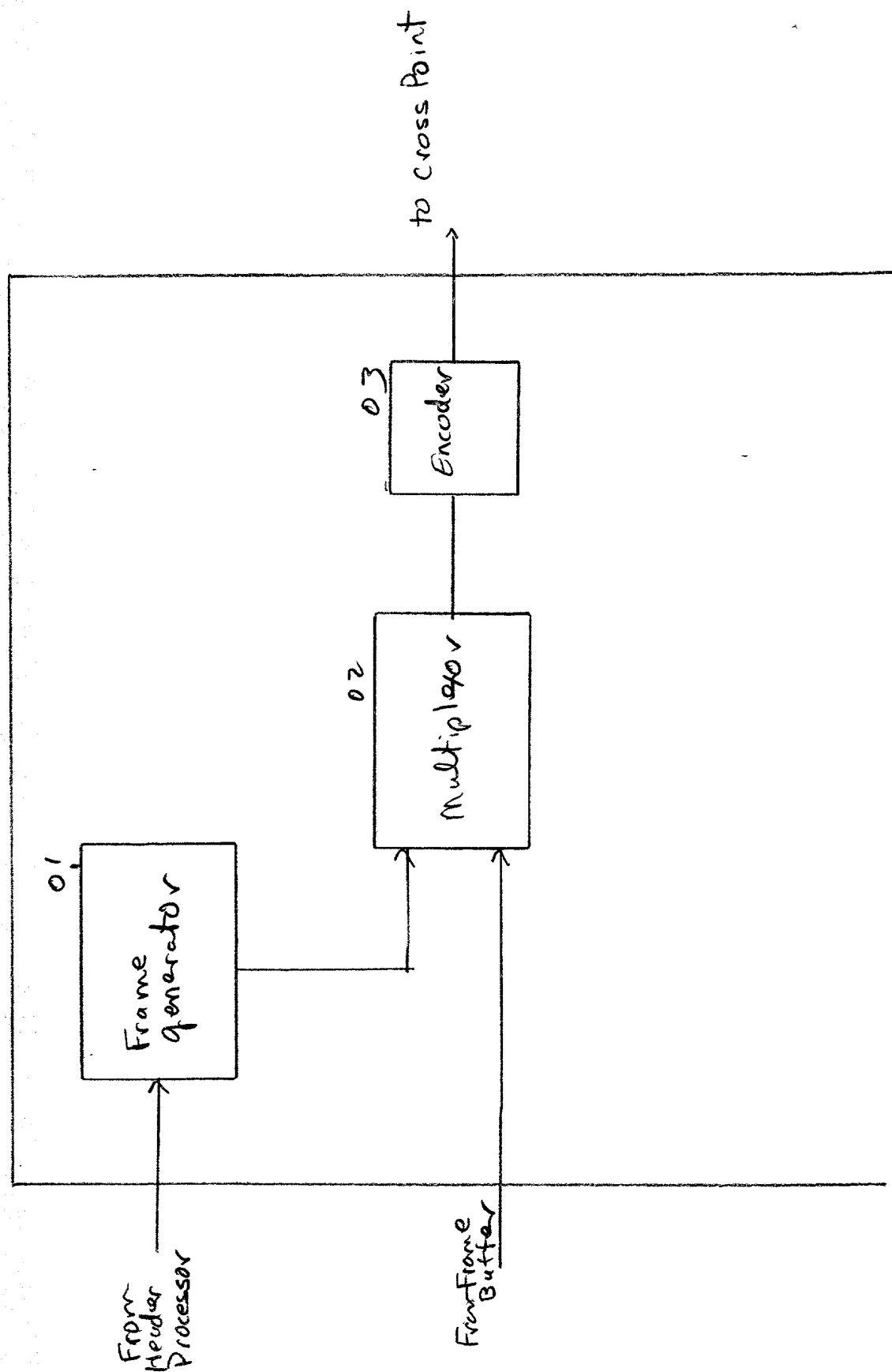


Fig 6

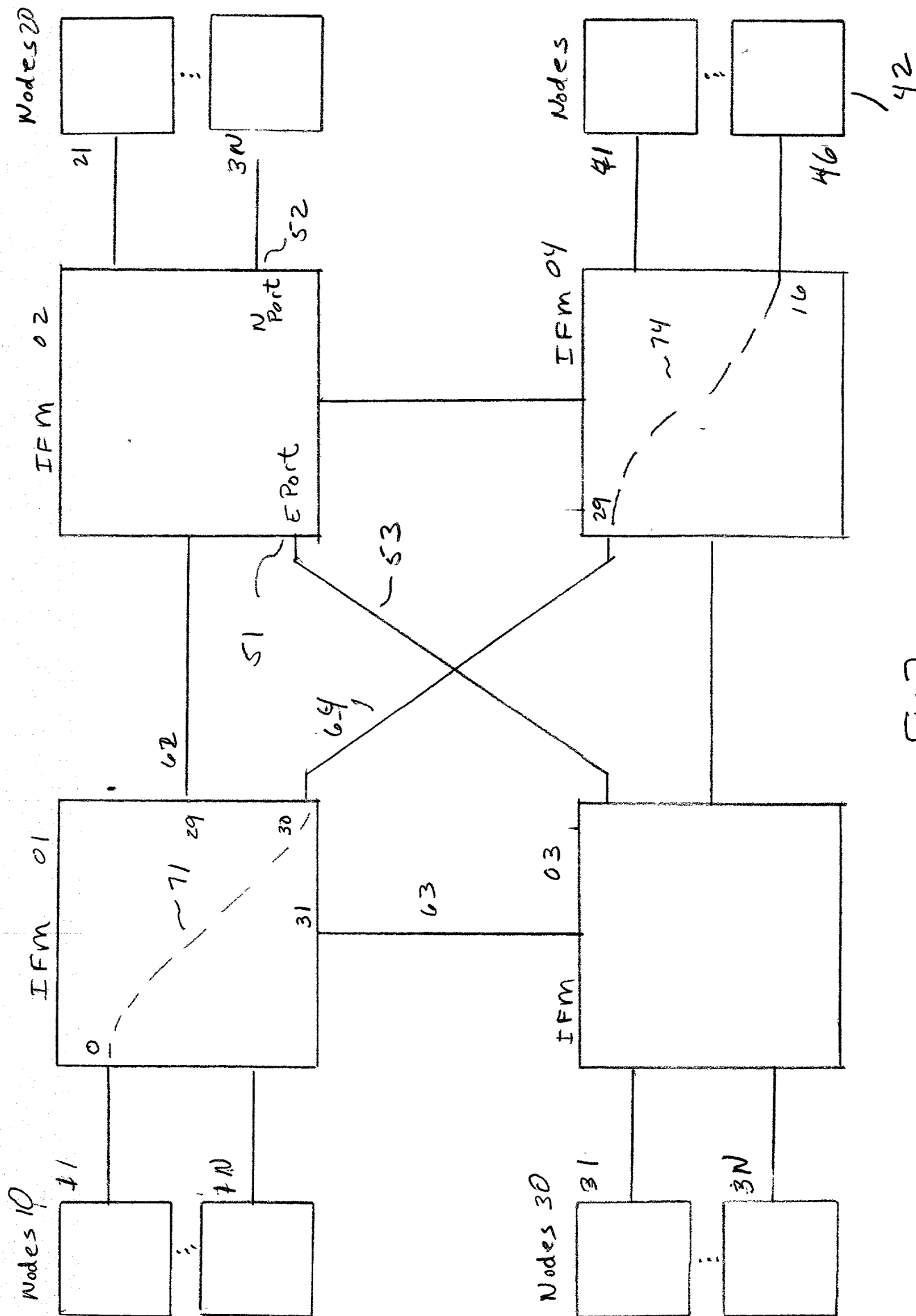


FIG. 7

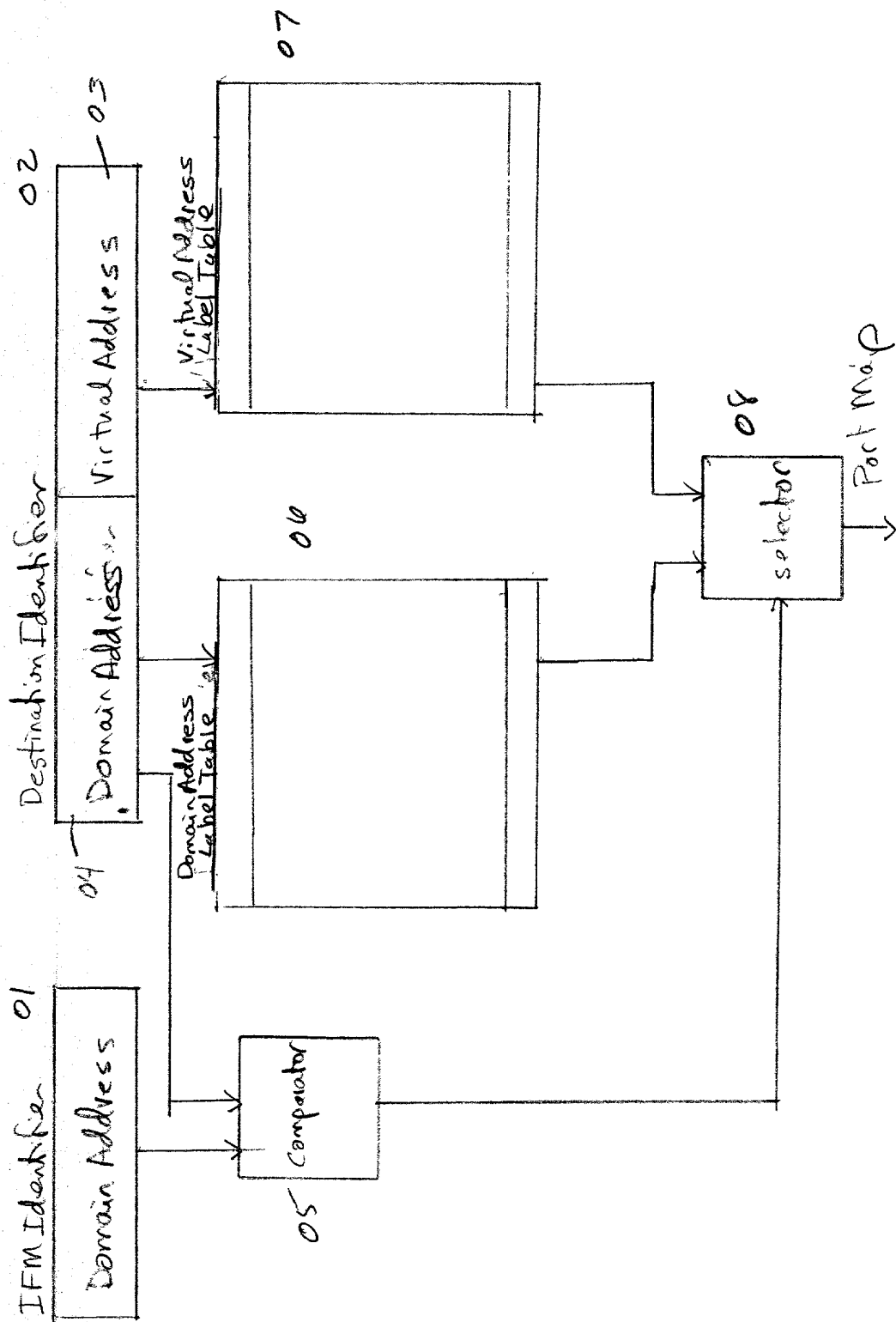


Fig. 8

Quad Switch Protocol Controller

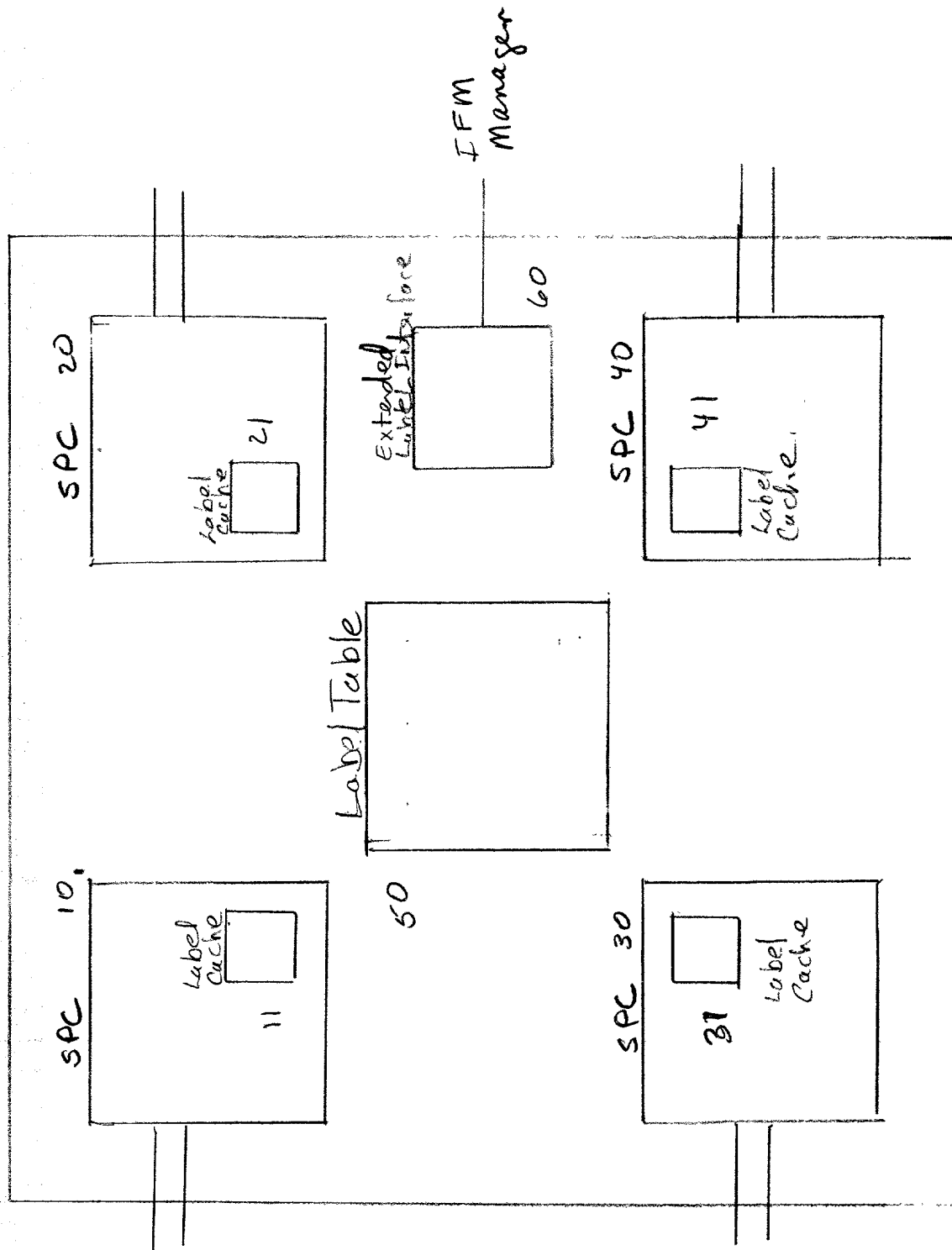


Fig. 9

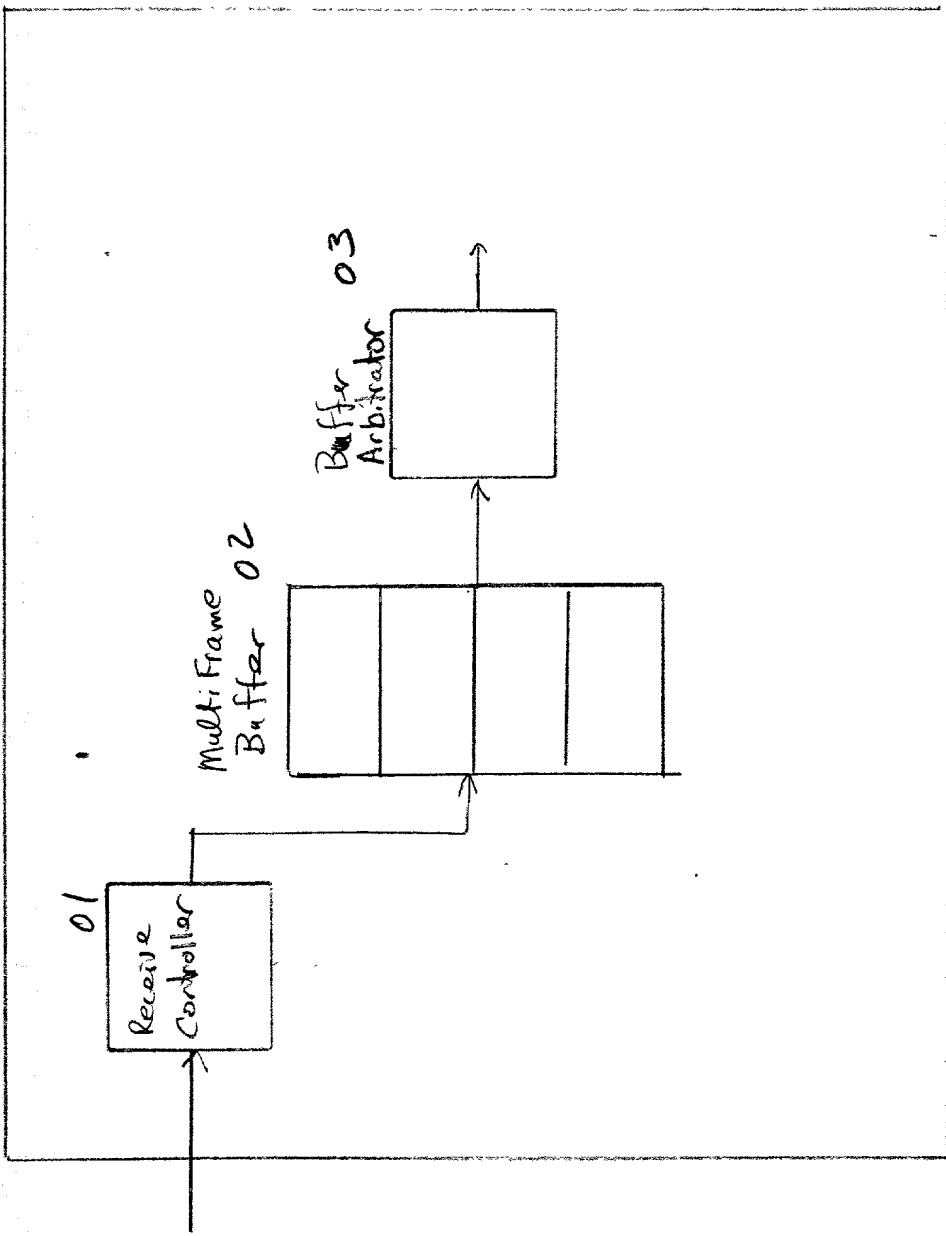


FIG 10

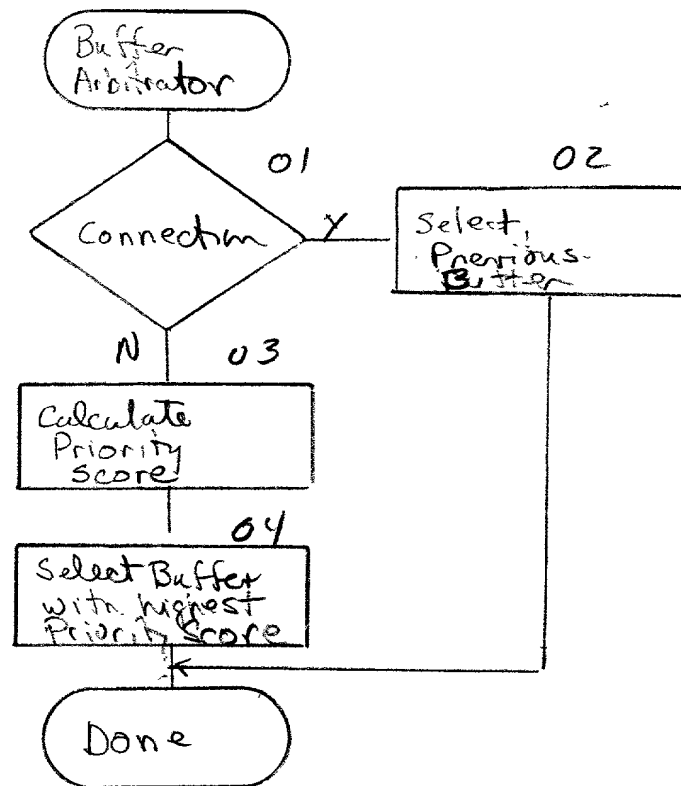


Fig 11

FIGURE 12

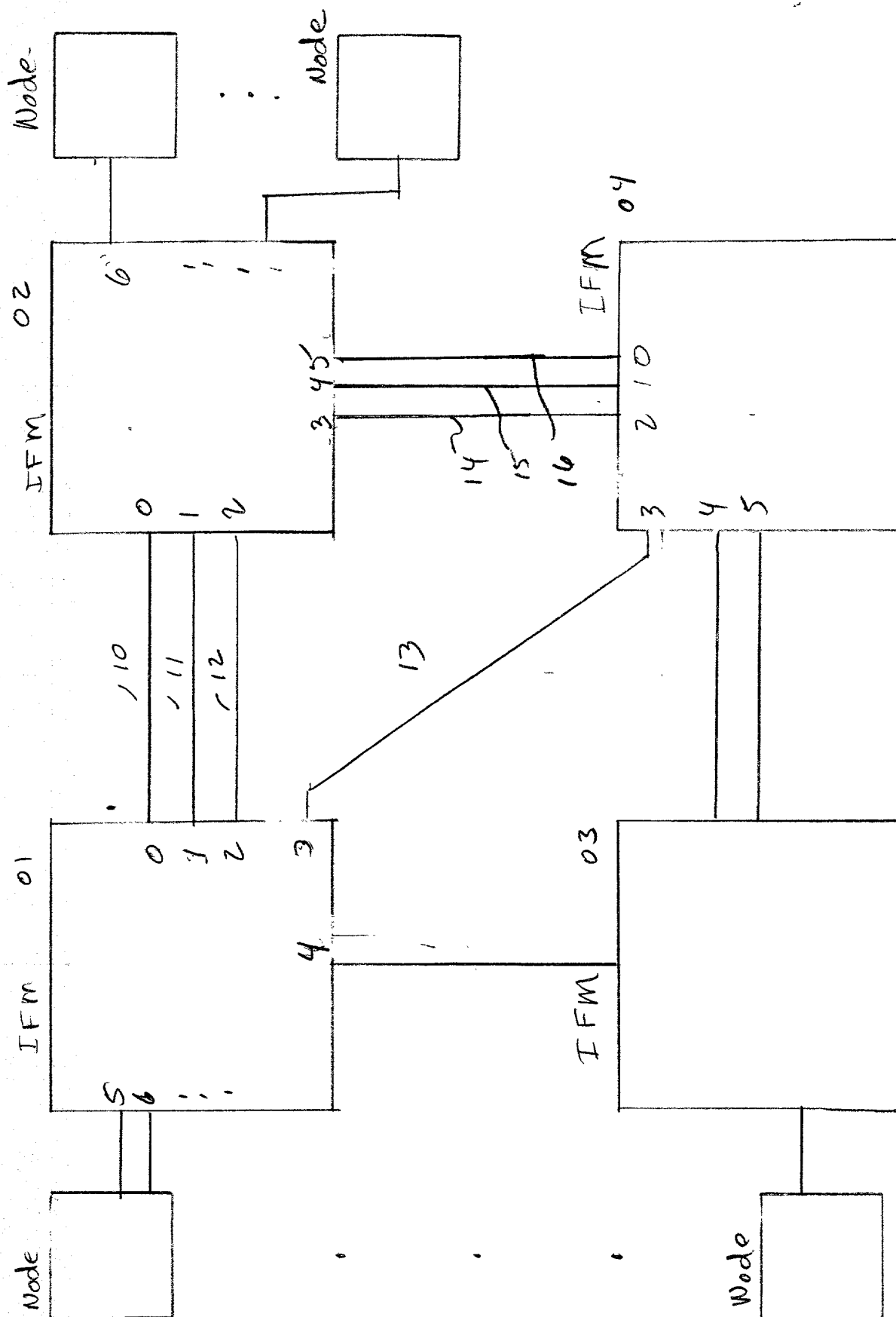


Fig 12

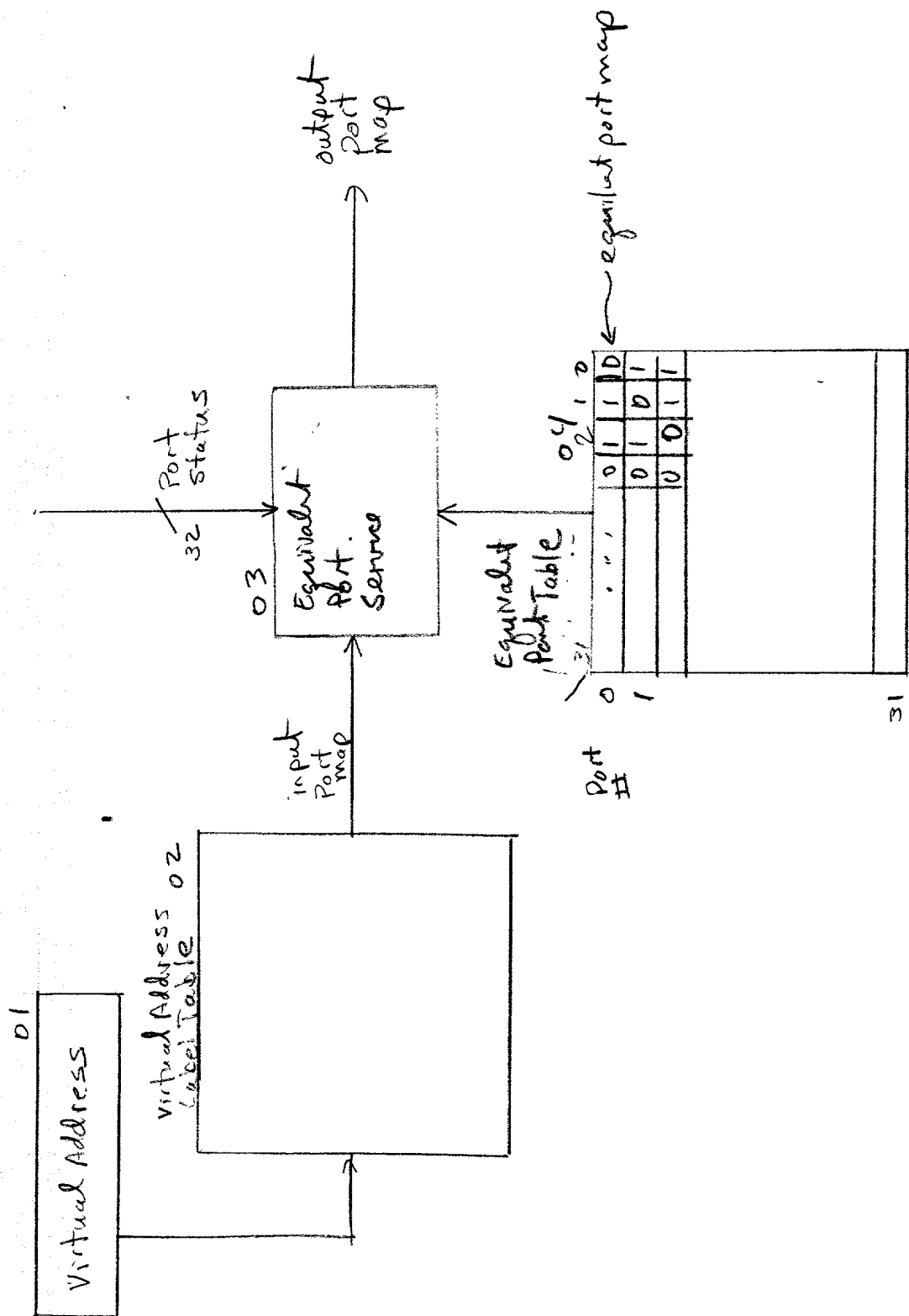


Fig 13

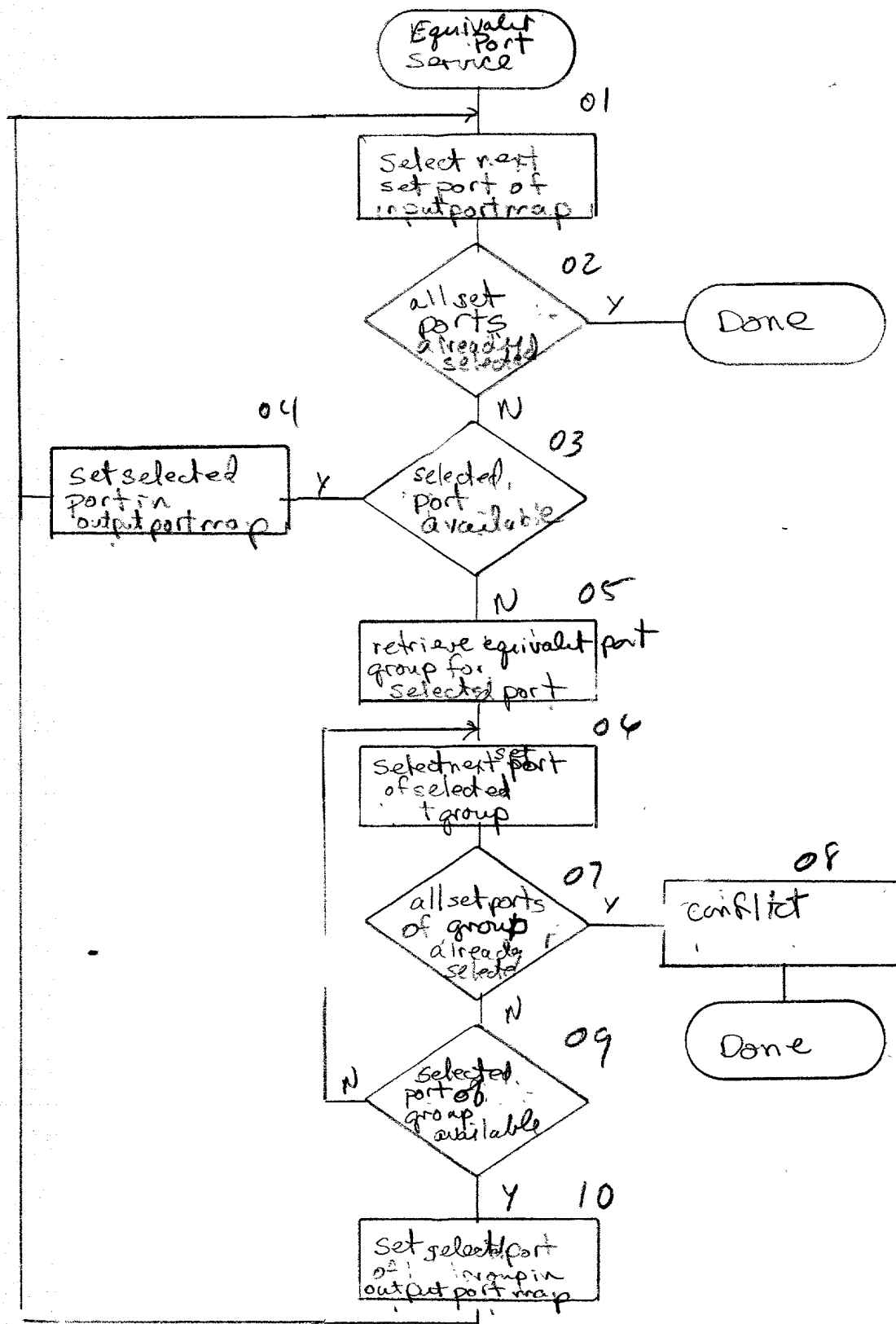


Fig 14

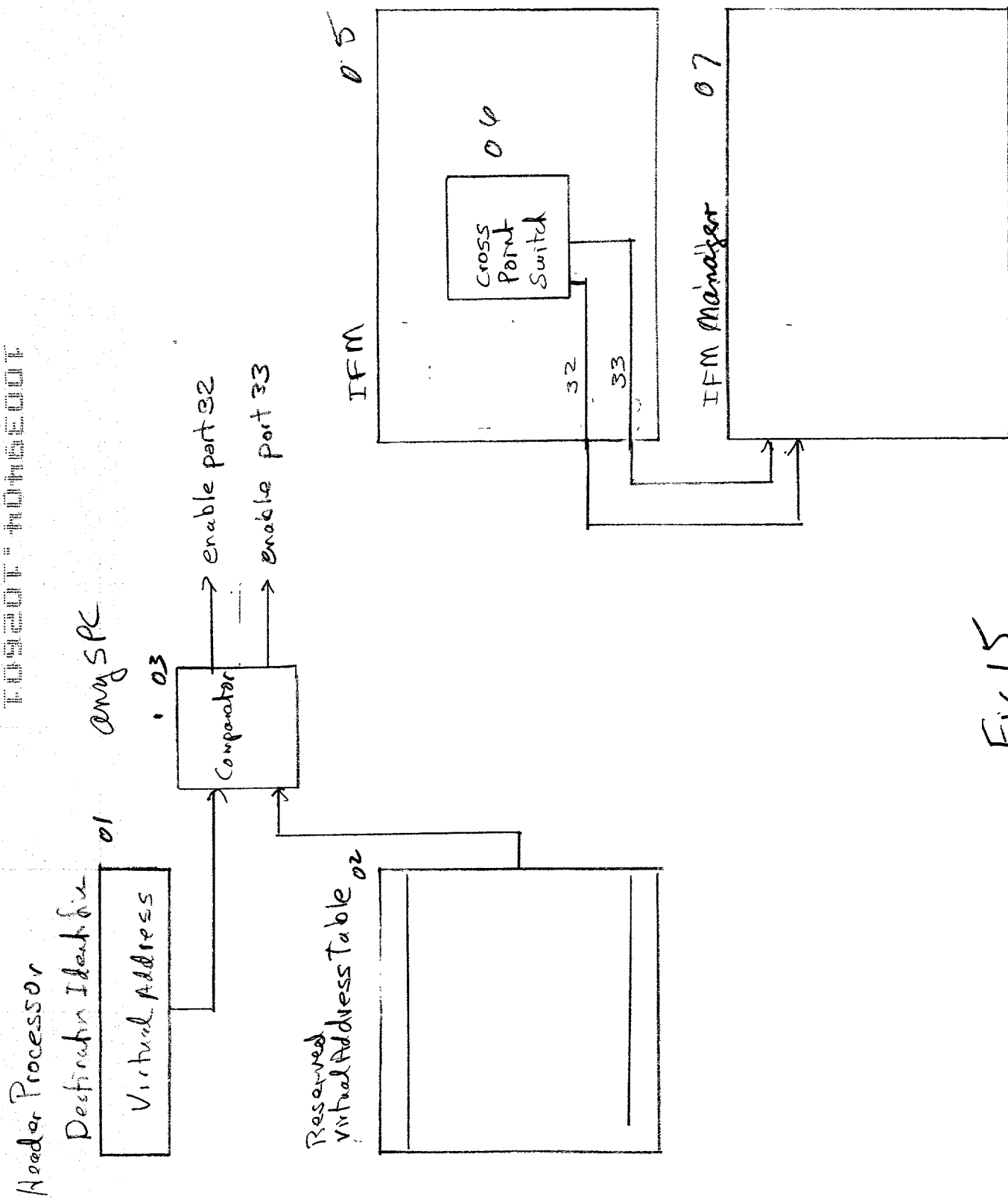
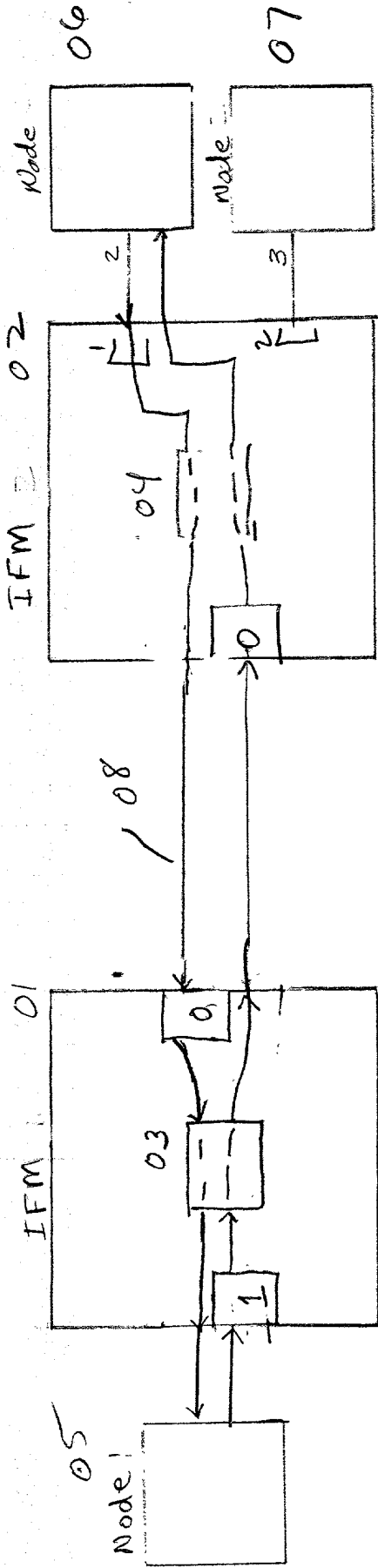


Fig 15



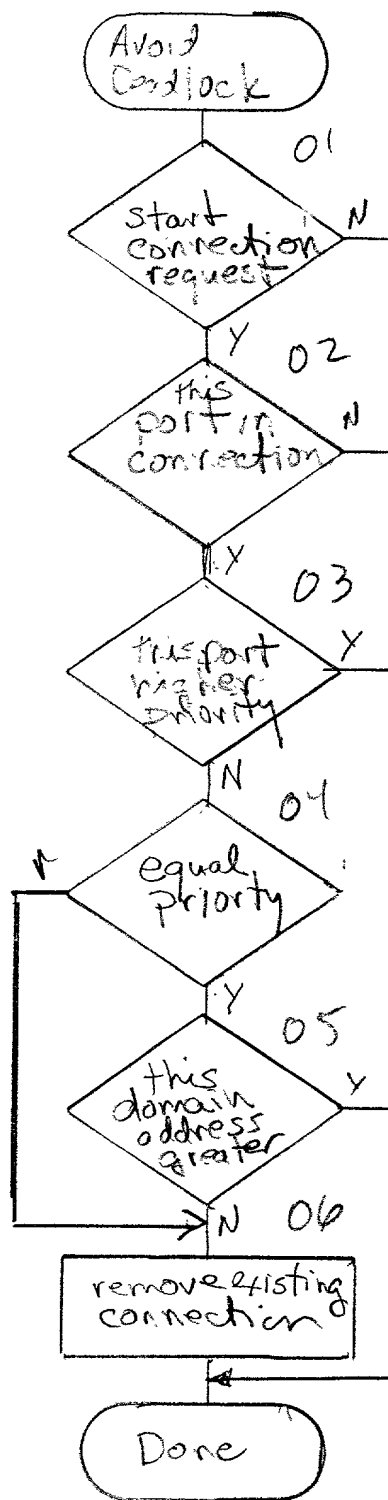
Deadlock

10

Time Node 05 IFM 01 Node 06 IFM 02
 0 send start connect start connect
 1 connect 1 3 connect

| | | |
|---|--|--------------------------------|
| 1 | connect 1 ↔ 0 | connect 2 ↔ 0 |
| 2 | Forward start connect | Forward start connect |
| 3 | can't forward start connect Node 1 | can't forward start connect |

Fig 16



Under end-to-end
not established

Fig 17

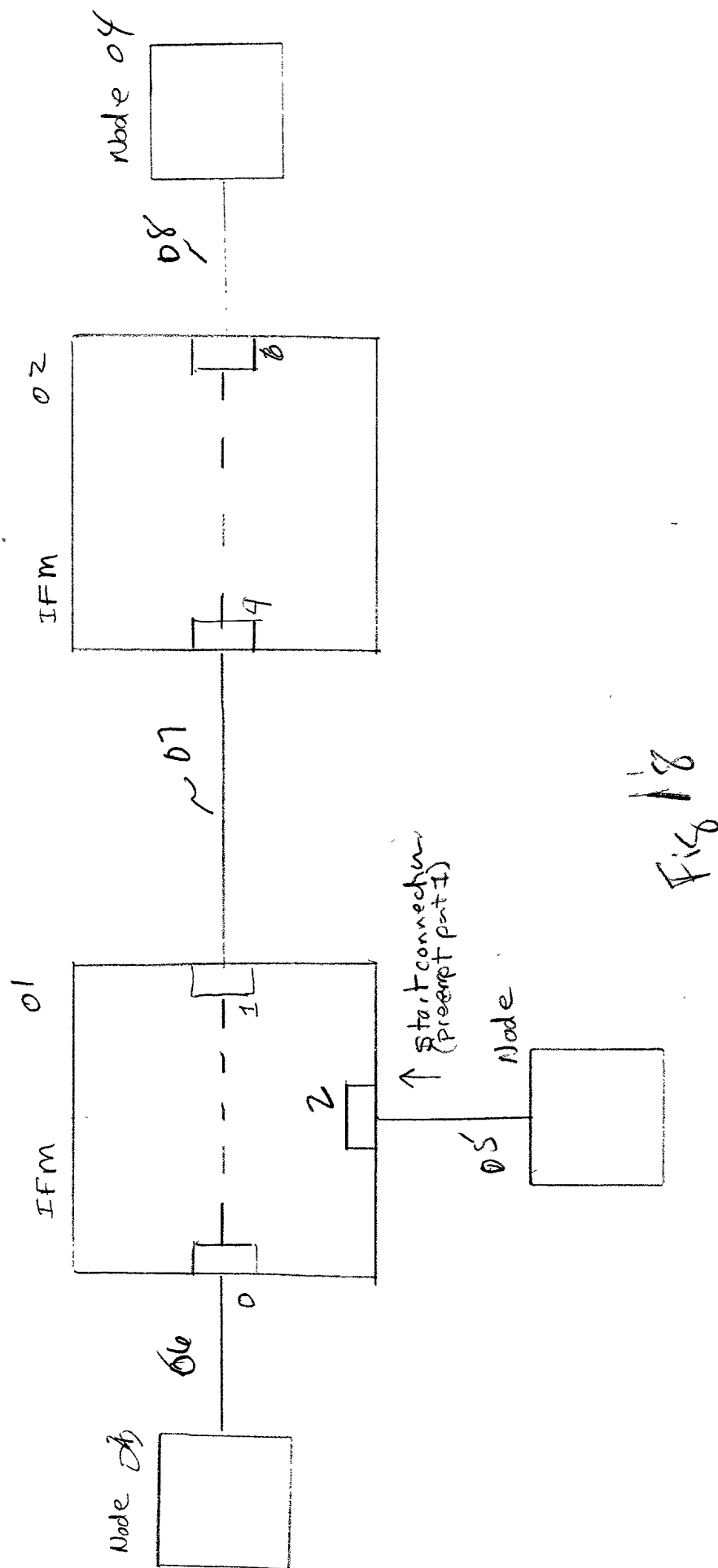


Fig 18

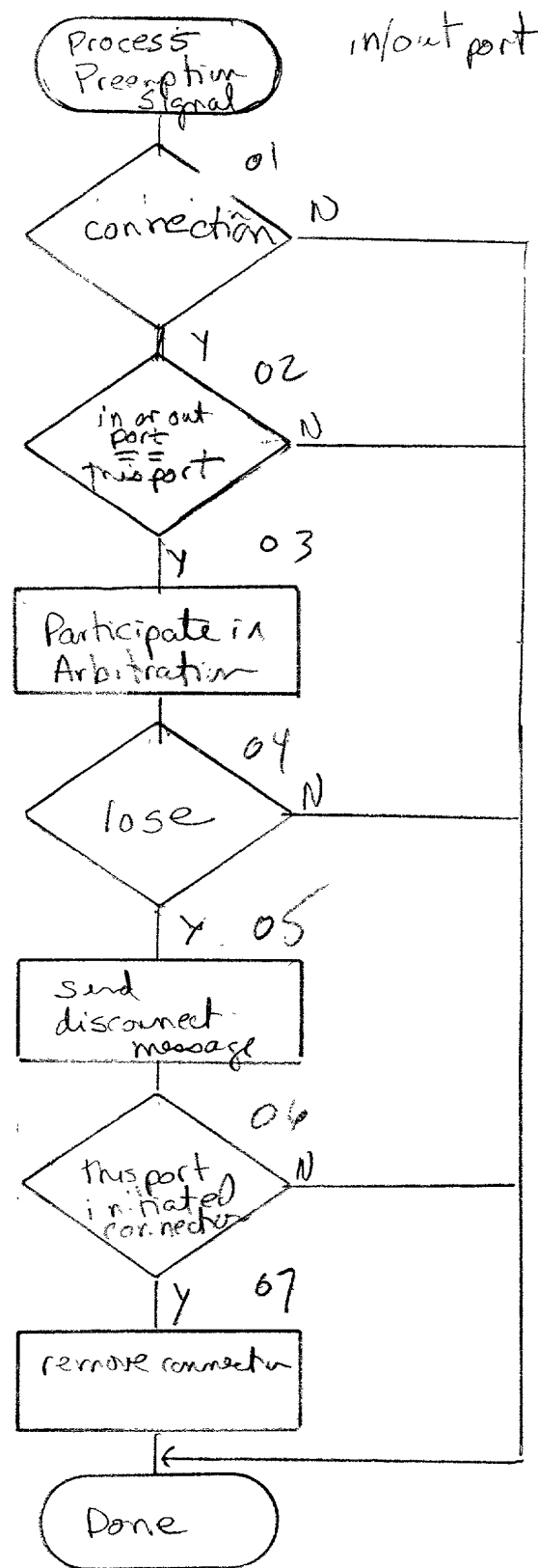


Fig. 19

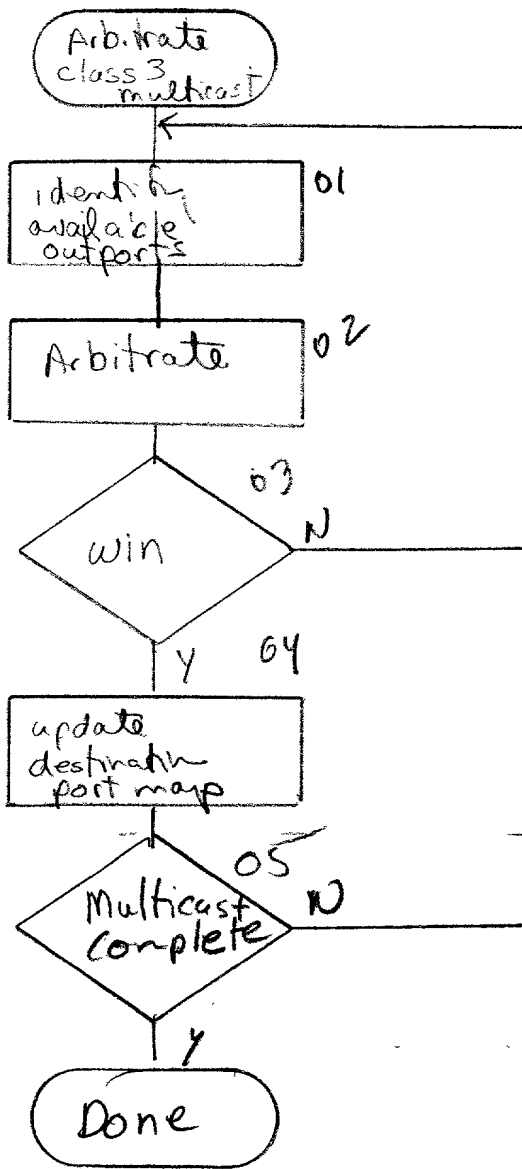


Figure 20